

## Product Data Sheet

Product Name: Skyrin  
Cat. No.: GC18532

### Chemical Properties

Cas. No. 602-06-2

Chemical Name 2,2',4,4',5,5'-hexahydroxy-7,7'-dimethyl-[1S,1'-bianthracene]-9,9',10,10'-tetrone

SMILES CC1=CC(O)=C2C(C(C(C(C3=C(O)C=C(O)C(C(C4=C5C=C(C)C=C4O)=O)=C3C5=O)=C(O)C=C6O)=C6C2=O)=O)=C1

Formula  $C_{30}H_{18}O_{10}$  M.Wt 538.5

Solubility DMSO: soluble, Ethanol: soluble Storage Store at  $-20^{\circ}C$

General For obtaining a higher solubility, please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock tips solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

### Background

Skyrin is a fungal metabolite characterized by a bisanthraquinone structure. It interferes with glucagon signaling through adenylate cyclase without binding to the glucagon receptor. At  $10\ \mu M$ , skyrin reduces both glucagon-stimulated cAMP production and glycogenolysis. It does not interfere with epinephrine or glucagon-like peptide 1 effects on these parameters. [1]

### Reference

[1]. Parker, J.C., McPherson, R.K., Andrews, K.M., et al. Effects of skyrin, a receptor-selective glucagon antagonist, in rat and human hepatocytes. *Diabetes* 49, 2079-2086 (2012).

**Caution: Product has not been fully validated for medical applications. For research use only.**

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